

Ser. No. 09/936,479
Customer No. 24498

PD990014

IN THE CLAIMS:

Please consider the claim listing as follows:

1. (Currently Amended) A method for managing access to a signal representative of an event of a service provider, said method comprising:
 - (a) receiving said signal in a smart card, said signal being scrambled using a scrambling key;
 - (b) receiving, in said smart card, data representative of a first seed value, the first seed value representing a first point in a coordinate system;
 - (c) generating, in said smart card, said scrambling key using said first seed value and a second seed value in a predetermined function, the second seed value representing a second point in the coordinate system, whereby secret sharing is implemented, said second seed value being permanently stored in said smart card; and
 - (d) descrambling, in said smart card, said signal using said generated scrambling key to provide a descrambled signal.

2. (Previously Presented) The method of Claim 1 wherein said first and second seed values are points on a Euclidean plane.

3. (Currently Amended) The method of Claim 2 wherein the step of generating said scrambling key comprises calculating the Y-intercept of a line curve formed on said Euclidean plane by said first and second seed values.

Ser. No. 09/936,479
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4. (Previously Presented) The method of Claim 3 wherein said smart card has a card body having a plurality of terminals arranged on a surface of said card body in accordance with one of ISO 7816 and PCMCIA card standards.

5-7. (Canceled)

8. (New) The method of Claim 3 wherein the curve is a polynomial and further comprising constructing the curve using the first and second seed values.

9. (New) The method of Claim 3 further comprising allocating a unique and non-overlapping range of first seed values for the service provider.